

MC-KL 1

Grouting and chocking mortar



PRODUCT PROPERTIES

- One component
- Polymer-modified
- Hand and mortar sledge application
- High resistance against chemical attack according to DIN 1045
- Tested in accordance with the quality standard "Ventilated Small Clarification Plant"
- Non-flammable according to EN 13501 - class A1
- Certified according to EN 1504-3, class R2

AREAS OF APPLICATION

- Joint and setting mortar for concrete manhole sections
- Joint mortar for ventilated small clarification plants
- Mortar with high chemical attack resistancy in accordance with the quality standard "Ventilated Small Clarification Plant"
- Normal brickwork mortar (NM) with class MG III a according to DIN 1053-1

APPLICATION ADVICE

Application: Because of the composition MC-KL 1 is particularly qualified for joint mortar.

Substrate Preparation: The joints have to be clean, hard, solid and free from anti-adhesive substances.

Pre-wetting: The substrate is wetted so that it is damp yet still absorbent.

Mixing: MC-KL 1 is poured into the measured water and stirred with a slow rotating double-agitator until it has a lump-free, homogenous consistency. The mixing time is approx. 3 minutes. 1 - 2 minutes maturing time must be observed, then stir again briefly and powerfully.

Application: For the application use a trowel. Because of its soft consistency it is especially applicable also by mortar sledge.

Further Information: Surfaces treated with MC-KL 1 must be protected from sun, rain and wind.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Working time	minutes	45	at 20° C
Maximum grain size	mm	2	
Compressive strength	N/mm ²		EN 1015-11
24 h		30	
28 d		70	
Flexural strength	N/mm ²		EN 1015-11
24 h		approx. 7.8	
28 d		approx. 8.8	
Water addition	l	3.6 - 3.8	per 25 kg
		2.1 - 2.3	per 15 kg
Tensile strength	N/mm ²	≥ 1.5	mean value per DAfStb-RiLi
Water penetration depth	mm	11	EN 12390-8
Mortar group		III a	DIN 1053-1
		M20	EN 998-2

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Delivery form	25 kg bag, 1 pallet (40 bags of 25 kg each) 15 kg bucket, 1 pallet (33 buckets of 15 kg each)
Self-monitoring	EN ISO 9001
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.
Packaging disposal	Make sure single-use containers are completely empty.

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets.

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018561]